Amendments to the Claims

Please cancel Claims 7, 10 and 20. Please amend Claims 1, 8, 11, 14, 15, 16, 21, 23 and 26. The Claim Listing below will replace all prior versions of the claims in the application:

Claim Listing

1. (Currently Amended) A vascular graft device comprising:

a semi permeable inner wall surrounding a passage;

a nonpermeable outer wall surrounding the inner wall, the graft device being configured for access by a needle and being longitudinally bendable and having first and second ends, the inner and outer walls being sealed to each other at the first and second ends, forming an annular gap between the inner and outer walls, the first and second ends each being configured for suturing to at least one blood vessel; and

a biological agent disposed between the inner and outer walls for release through the inner wall radially inwardly in a circular fashion at least near the first and second ends for treating suture points joining the at least one blood vessel at the first and second ends.

2. (Original) The graft device of Claim 1 in which the biological agent comprises a time release drug.

3. (Original) The graft device of Claim 2 in which the time release drug is for preventing occlusion.

4. (Original) The graft device of Claim 2 in which the biological agent comprises microencapsulated drugs within a gelatinous media.

5. (Original) The graft device of Claim 1 in which the biological agent comprises cells.

6. (Original) The graft device of Claim 5 in which the graft device functions as an artificial organ.

7. (Cancel).

8. (Currently Amended) The graft device of Claim ~~7~~1 in which the graft device is generally tubular in shape.

9. (Original) The graft device of Claim 8 in which the outer wall comprises PTFE.

10. (Cancel).

11. (Currently Amended) The graft device of Claim ~~10~~1 in which the biological agent is positioned at least near the first and second ends of the graft device.

12. (Original) The graft device of Claim 8 further comprising a tubular inner graft member positioned within the passage of the vascular graft device, the inner graft member having first and second ends for suturing to at least one blood vessel.

13. (Original) The graft device of Claim 1 further comprising a conduit extending from the graft device for replenishing the biological agent.

14. (Currently Amended) A vascular graft device comprising:

a semi permeable inner wall surrounding a passage;

a nonpermeable outer wall surrounding the inner wall and sealed to the inner wall at first and second ends of the graft device such that the graft device is generally tubular in shape, the graft device being configured for access by a needle and being longitudinally flexible and the first and second ends of the graft device each being configured for suturing to at least one blood vessel; and

a biological agent disposed between the inner and outer walls at least near the first and second ends for release through the inner wall radially inwardly in a circular fashion at least near the first and second ends for treating suture points joining the at least one blood vessel at the first and second ends.

15. (Currently Amended) A vascular graft device comprising:

an inner wall surrounding a passage;

an outer wall surrounding the inner wall with a gap there between; ~~and~~

a biological agent disposed between the inner and outer walls capable of being released; and

an inner graft member positioned within the passage of the inner wall, the inner graft member having first and second ends extending beyond the inner and outer walls for suturing to at least one blood vessel.

16. (Currently Amended) A method of forming a vascular graft device comprising:

providing a semi permeable inner wall surrounding a passage;

surrounding the inner wall with a nonpermeable outer wall, the graft device being configured for access by a needle and being longitudinally bendable and having first and second ends, the inner and outer walls being sealed to each other at the first and second ends, forming an annular gap between the inner and outer walls, the first and second ends each being configured for suturing to at least one blood vessel; and

disposing a biological agent between the inner and outer walls for release through the inner wall radially inwardly in a circular fashion at least near the first and second ends for treating suture points joining the at least one blood vessel at the first and second ends.

17. (Original) The method of Claim 16 further comprising providing a time release drug as the biological agent.

18. (Original) The method of Claim 16 further comprising providing microencapsulated drugs within a gelatinous media as the biological agent.

19. (Original) The method of Claim 16 further comprising providing cells as the biological agent.

20. (Cancel).

21. (Currently Amended) The method of Claim ~~20~~16 further comprising forming the graft device to be generally tubular in shape.

22. (Original) The method of Claim 21 further comprising forming the outer wall from PTFE.

23. (Currently Amended) The method of Claim ~~2~~16 further comprising positioning the biological agent at least near the first and second ends of the graft device.

24. (Original) The method of Claim 21 further comprising positioning a tubular inner graft member within the passage of the vascular graft device, the inner graft member having first and second ends for suturing to at least one blood vessel.

25. (Original) The method of Claim 16 further comprising extending a conduit from the graft device for replenishing the biological agent.

26. (Currently Amended) A method of limiting occlusion in a vascular graft device comprising:

providing the vascular graft device with a semi permeable inner wall surrounding a passage;

surrounding the inner wall with a nonpermeable outer wall, the graft device being configured for access by a needle and being longitudinally bendable and having first and second ends, the inner and outer walls being sealed to each other at the first and second ends, forming an annular gap between the inner and outer walls, the first and second ends each being configured for suturing to at least one blood vessel; and

disposing a biological agent between the inner and outer walls for time release through the inner wall radially inwardly in a circular fashion at least near the first and second ends for treating suture points joining the at least one blood vessel at the first and second ends, the time release of the biological agent for limiting occlusion over a period of time.